



05-31-06

# IFW

Attorney/Docket No. 37163.18  
Customer No. 000027683

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Tibbitts et al.

Appl. No. 10/825,338

Filed: April 15, 2004

For: DRILL BIT

§ Attorney Docket No.: 37163.18  
§  
§ Group Art Unit: 3672  
§  
§ Examiner: Unknown  
§  
§SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENTMail Stop Amendment  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty of disclosure under 37 CFR §1.56, and in accordance with the practice under 37 CFR §1.97 and §1.98, the Examiner's attention is directed to the documents listed on the enclosed modified Form PTO-1449. No inference should be made that the cited references are in fact material, are in fact prior art, or that no better art exists. The cited patents are listed in numerical order and are not in any order based on their pertinence.

This Information Disclosure Statement is being filed more than three months after the United States filing date and after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Action under §1.113 or Notice of Allowance under §1.311 (37 CFR §1.97(c)).

Accompanying this transmittal is the \$180.00 fee set forth in 37 CFR §1.17(p) for submission of an Information Disclosure Statement under §1.97(c).

The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Deposit Account 08-1394, order number 37163.18.

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

06/01/2006 CCHAU1 00000023 081394 10825338  
01 FC:1806 180.00 DADate: 5/30/06  
HAYNES AND BOONE, LLP  
901 Main Street, Suite 3100  
Dallas, Texas 75202-3789  
Telephone: 713-547-2301  
Facsimile: 214-200-0853  
File: 37163.18  
H-613107

Respectfully submitted,

Todd Mattingly  
Registration No.40,298Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 05-30-06.

Blanca Ramos

Printed Name

Signature



U R 1995

Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00

## Complete if Known

Application Number	10/825,338
Filing Date	04/15/2004
First Named Inventor	Gordon Tibbitts
Examiner Name	Unknown
Art Unit	3672
Attorney Docket No.	37163.18

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 08-1394 Deposit Account Name: Haynes and Boone, LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

## FEE CALCULATION

### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

### 2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims - 20 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_  
HP = highest number of total claims paid for, if greater than 20  
Indep. Claims - 3 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_  
HP = highest number of independent claims paid for, if greater than 3

### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets - 100 = \_\_\_\_\_ / 50 = \_\_\_\_\_ (round up to a whole number) x \_\_\_\_\_ = \_\_\_\_\_  
Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)

### 4. OTHER FEE(S)

Non-English Specification \$130 fee (no small entity discount)

Other: Supplemental Information Disclosure Statement

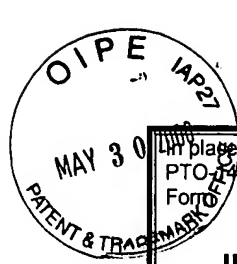
Fees Paid (\$)  
180.00

## SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 40,298	Telephone 713-547-2301
Name (Print/Type)	Todd Mattingly		Date 05-30-2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		<i>Complete if Known</i>	
		Application Number		10/825,338	
		Filing Date		04/15/2004	
		Applicant(s)		Tibbitts et al	
		Art Unit		3672	
		Examiner Name		Unknown	
SHEET	1	OF	1	Attorney Docket Number	37163.18

NON-PATENT LITERATURE DOCUMENTS		
Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item, date, page(s), volume-issue number(s), publisher, city/country where published
	C1	Curlett Family Limited Partnership, Ltd., Plaintiff V. Particle Drilling Technologies, Inc., a Delaware Corporation; and Particle Drilling Technologies, Inc., a Nevada Corporation Defendant; Civil Action No. 4:06-CV-01012; Affidavit of Harry (Hal) B. Curlett, May 03, 2006.
	C2	ECKEL ET AL., "Development and Testing of Jet Pump Pellet Impact Drill Bits," Petroleum Transactions, Aime, 1956, 1-10, Volume 207.
	C3	FAIR, JOHN, "Development of High-Pressure Abrasive-Jet Drilling," Journal of Petroleum Technology, August 1981, 1379-1388.
	C4	GEDDES et al., "Leveraging a New Energy Source to Enhance Heavy-Oil and Oil-Sands Production," Society of Petroleum Engineers, SPE/PS-CIM/CHOA 97781, 2005.
	C5	KOLLE ET AL., "Laboratory and Field Testing of an Ultra-High-Pressure, Jet-Assisted Drilling System," SPE/IADC 22000, 1991, 847-856.
	C6	LEDGERWOOD, L., "Efforts to Develop Improved Oilwell Drilling Methods," Petroleum Transactions, Aime, 1960, 61-74, Vol. 219.
	C7	MAURER, et al., "Deep Drilling Basic Research Final Report", June 1990.
	C8	MAURER, WILLIAM, "Impact Crater Formation in Rock," Journal of Applied Physics, July 1960, 1247-1252, Vol. 31, Number 7.
	C9	SUMMERS ET AL., "A Further Investigation of DIAjet Cutting," Jet Cutting Technology-Proceedings of the 10 <sup>th</sup> International Conference, 1991, pp. 181-192; Elsevier Science Publishers Ltd, USA.
	C10	www.particledrilling.com, May 4, 2006.

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.